Index of Claims

| _ | Application No.  | Applicant(s) |     |
|---|------------------|--------------|-----|
|   | 10/717,797       | ABOLFATHI ET | AL. |
|   | Examiner         | Art Unit     |     |
|   | Cary F. O'Connor | 3732         |     |

| <br>7 | Rejected |
|-------|----------|
| <br>= | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                | L                   | L               |          |          |                 |          | Į               |           |          |
|----------|----------------|---------------------|-----------------|----------|----------|-----------------|----------|-----------------|-----------|----------|
|          |                | ,                   |                 |          |          |                 |          |                 |           | _        |
| Cla      | im             | _                   |                 |          | _ [      | Date            | <u> </u> |                 |           | _        |
| 1 1      | =              | 12<br>21<br>04<br>V | 8               |          |          |                 |          |                 |           |          |
| Final    | Original       | 21                  | 2               |          |          |                 |          |                 |           | 1        |
| 🖫        | .£             | 41)                 | -               |          |          |                 |          |                 |           |          |
|          | 0              | 0 1                 | כש              |          |          |                 |          |                 |           | ]        |
|          | 1              | V                   | 7               | Н        |          |                 |          |                 | _         | 7        |
|          | 2              | レ                   | 1               | Н        | _        |                 | _        |                 |           |          |
|          | 3              | V                   |                 | Н        |          | $\Box$          |          |                 |           | $\neg$   |
|          | 4              | 7                   | H               |          |          | _               |          | Н               | П         | $\dashv$ |
| $\vdash$ |                | 1                   | H               | $\vdash$ | _        | -               |          | _               | _         | _        |
| $\vdash$ | 6              | V                   | H               | Н        |          |                 | -        | -               | -         | -        |
| -        | 7              |                     | H               | -        |          |                 |          | -               | $\dashv$  | $\dashv$ |
| $\vdash$ | 8              | 1                   | +               | ┝╌       | -        | -               | Η        | Н               | $\dashv$  | $\dashv$ |
| $\vdash$ | 9              | 1                   | H               | Н        | _        |                 | _        | $\vdash$        | $\vdash$  | $\dashv$ |
| <u> </u> | 10             | ٧,                  | H               | Н        | H        | _               | _        | $\vdash$        | $\vdash$  | $\dashv$ |
| ļ        | 11             | K                   | ┝╋╴             | -        | -        |                 | -        | Н               | $\vdash$  | $\dashv$ |
|          | 11             | X                   | H               | H        | -        | Н               |          | Н               |           | -        |
| <b>—</b> | 12<br>13<br>14 | <u> </u>            | Н               | $\vdash$ | $\vdash$ | H               | $\vdash$ | Н               |           | -        |
| $\vdash$ | 13             | Y                   | Н               | $\vdash$ | <b>—</b> | $\vdash$        |          | Н               | $\vdash$  | $\dashv$ |
| <u> </u> | 14             | V                   | H               |          | <u> </u> | H               | -        | Н               | Н         | $\vdash$ |
|          | 15<br>16       | 2                   | ╀               |          | <b> </b> | <u> </u>        | -        | Н               | Н         | $\dashv$ |
|          | 16             | Y                   | ₩               | -        | <b>-</b> | $\vdash$        | -        | $\vdash \vdash$ | <b>  </b> |          |
|          | 17             | 1                   | $\sqcup$        | $\vdash$ | <u> </u> | ļ               | -        | <u> </u>        | <b>  </b> | $\dashv$ |
|          | 18             | 1                   | Ц               | _        | _        | $ldsymbol{eta}$ | <u> </u> | Щ               |           | Н        |
| L        | 19             | V                   | Ц               | Ш        | ╙        |                 | _        | Ш               |           | Н        |
|          | 20             | V                   | Ц               |          | oxdot    |                 | L.       | Ш               |           | Ц        |
|          | 21             | ~                   | Ш               |          | L        |                 | L        |                 |           |          |
|          | 22<br>23       | 1                   | Ц               |          | L        |                 |          | _               |           |          |
| L        | 23             | V                   | d               | <u>_</u> | L        |                 |          |                 | Щ         | Ш        |
|          | 24             | $\vee$              | V               |          | _        |                 | _        | Ш               | Ш         | Ш        |
|          | 25             | ┖                   | L               |          |          | L               |          | Ŀ               | Щ         | Ш        |
| Ĺ        | 26             |                     | _               | <u></u>  |          |                 |          |                 |           | Ш        |
|          | 27<br>28       | <u> </u>            |                 |          |          |                 | L        |                 |           |          |
|          | 28             |                     |                 |          |          |                 |          |                 |           |          |
| Ţ        | 29             |                     |                 |          |          |                 |          |                 |           |          |
|          | 30             |                     | $\lceil \rceil$ |          |          |                 |          |                 |           |          |
|          | 31             |                     | Ľ               |          |          |                 |          |                 |           | Ш        |
|          | 32<br>33       |                     |                 |          | L        |                 |          |                 |           | Ш        |
|          | 33             |                     |                 |          |          |                 | L        |                 |           |          |
|          | 34             |                     |                 | Ĺ        |          |                 |          |                 |           |          |
|          | 35             | $\Box$              |                 |          | L        |                 |          |                 |           |          |
|          | 36             | $\Box$              |                 |          |          |                 |          |                 |           |          |
|          | 37<br>38<br>39 | $\Box$              |                 | L.       |          |                 |          |                 |           |          |
|          | 38             |                     |                 | $\Box$   |          |                 |          |                 |           |          |
|          | 39             |                     |                 |          |          |                 |          |                 |           |          |
|          | 40             |                     | Γ               |          |          |                 |          |                 |           |          |
|          | 41             |                     |                 |          |          |                 |          |                 |           |          |
|          | 42             |                     |                 |          |          |                 |          |                 |           |          |
|          | 43             |                     |                 |          |          |                 |          |                 |           |          |
|          | 44             |                     | Γ               | Г        | Π        |                 |          |                 |           |          |
|          | 45             | Г                   | Г               | Γ        | Ι        | <u> </u>        |          | Π               | Γ         | П        |
|          | 46             | 1                   | 1               |          | Γ        | Γ               | Γ        | T               | _         | П        |
|          | 47             | 1                   | Т               |          | _        | 1               |          | Γ               | 1         | М        |
|          | 48             | T                   | Т               |          | Г        |                 | Г        | T               | Г         | М        |
|          | 49             | 1                   | T               | 1        | Г        | Г               | Г        | Т               | T         | П        |
| -        | 50             | $\vdash$            | +-              | t        | Η-       | 1               | $\vdash$ | H               | $\vdash$  | Н        |

| Cla          | im                   | Date   |          |          |              |              |              |          |  |          |
|--------------|----------------------|--|----------|----------|--------------|--------------|--------------|----------|--|----------|
|              |                      |  |          |          | T            | Ĥ            |              |          |  | $\dashv$ |
| Final        | Original             |  |          |          |              |              |              |          |  | -        |
| Ē            | Ş                    |  |          |          |              |              |              |          |  |          |
|              |                      |  |          |          |              |              |              |          |  | _        |
|              | 51<br>52             |  | Ц        | _        |              |              | Ш            |          | _  | _{       |
|              | 52                   |  | _        | _        |              |              |              | Ш        | -  | _        |
|              | 53                   |  | _        | _        |              |              |              |          |  |          |
|              | 54                   |  |          |          |              |              |              | Щ        |  | $\dashv$ |
|              | 55<br>56             | _  | _        |          | -            | -            | _            | Н        |  | $\dashv$ |
|              | 56<br>57             | -  | -        | -        |              | -            |              | Н        |  | ᅱ        |
|              | 58                   | -  | -        |          | -            | _            | _            |          | -  | $\dashv$ |
|              | 59                   | Н  | $\vdash$ |          | _            | _            | _            | Н        |  | $\dashv$ |
|              | 60                   | -  | -        | -        | _            |              | _            | Н        | Н  | $\dashv$ |
|              | 61                   |  |          |          |              |              | _            |          | _  | ᅥ        |
|              | 61<br>62             | Н  | $\neg$   |          |              |              |              |          |  | ᅥ        |
| <b></b>      | 63                   |  |          | М        |              |              |              |          |  | $\neg$   |
|              | 64                   | П  |          |          |              | Г            | П            | П        | П  |          |
|              | 65                   |  |          |          |              |              |              |          |  |          |
|              | 65<br>66             |  |          |          |              |              |              |          |  |          |
|              | 67                   |  |          |          |              |              |              |          |  |          |
|              | 68                   |  |          |          |              |              |              |          |  |          |
|              | 69                   |  |          |          |              |              |              |          |  |          |
|              | 70                   |  | $\Box$   |          | L            | L            |              |          | L  |          |
|              | 71                   |  |          |          |              | L            |              | _        |  |          |
|              | 72                   |  |          |          |              | L            |              |          | ļ  |          |
|              | 71<br>72<br>73<br>74 |  |          |          |              | L            | _            |          | L  | $\Box$   |
| <u> </u>     | 74                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _        |          | _            | <u> </u>     | _            | <u> </u> | $\vdash$   | _        |
| L            | 75                   |  | Ш        |          | _            | <u> </u>     | <u> </u>     | <u> </u> |  | $\Box$   |
| <u> </u>     | 76                   | -  | _        |          | _            | -            | <u> </u>     | ├-       | -  | -        |
| ļ <u>.</u>   | 77<br>78             | -  | _        |          |              | -            |              |          | $\vdash$   |          |
| <b></b>      | 79                   |  |          |          | -            | ├            | ⊢            | ⊢        |  |          |
|              | 80                   | ⊢  | _        | -        | -            | -            | -            | -        | -  |          |
| ┝            | 81                   | $\vdash$   | ┢┈       |          | -            | ┢            | -            | $\vdash$ | Н  | $\vdash$ |
| ┝            | 82                   | <del>                                     </del> |          | -        | $\vdash$     | -            | $\vdash$     | $\vdash$ |  | _        |
| <del> </del> | 82<br>83             | Т  | П        | Н        | Г            | Н            | Т            | Г        |  | П        |
| <u> </u>     | 84                   | <b>—</b>   | <b>1</b> |          | Τ            | Г            |              | Г        | <b></b>  |          |
| <b> </b>     | 85                   | Г  | П        |          | <b></b>      | <u> </u>     | Γ            | Г        |  |          |
|              | 86                   |  |          |          |              |              |              |          |  |          |
|              | 87                   |  |          |          |              |              |              |          |  |          |
|              | 88                   |  |          |          |              |              |              | 匚        | 匚  |          |
|              | 89                   |  |          |          |              |              | L            | L        | 匚  | Ш        |
|              | 90                   | _  | _        | <u> </u> | L            | _            | <u> </u>     | _        | <u> </u>   | Щ        |
| ļ            | 91                   | L  | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | ┞  | Ш        |
|              | 92                   | <b>!</b>   | <b> </b> | <u> </u> | <del> </del> | -            | $\vdash$     | _        | ⊢  | Щ        |
| <u> </u>     | 93                   | <u> </u>   | -        | <u> </u> | <u> </u>     | <del> </del> | <del> </del> | -        | <del>                                     </del> | <b>-</b> |
|              | 94                   |  |          | ├        | -            | -            | -            | -        | ⊢  | $\vdash$ |
|              | 95                   | ├  | -        | <u> </u> | -            | ├-           | -            | -        | -  |          |
| <del> </del> | 96<br>97             | -  |          | -        | -            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
| ⊢            | 98                   | ⊢  | ⊢        | -        | $\vdash$     | ├─           | ├-           | ⊢        | <del>  -</del>                                   | Н        |
| $\vdash$     | 99                   | ┢  | -        | -        | ╁            | ╁            | $\vdash$     | ╁        | ╁╌   | Н        |
|              | 1 22                 | 1  | ١.       | ł        | 1            | 1            | L            |          | Ь.   | L        |

|       |                                 | . Data       |          |              |              |          |          |  |              |          |
|-------|---------------------------------|--------------|----------|--------------|--------------|----------|----------|--|--------------|----------|
| Cl    | aim                             |              | _        | _            |              | Date     | •        | -  | _            | -        |
| Final | Original                        |              |          |              |              |          |          |  |              |          |
|       | 101                             |              |          |              |              |          |          |  |              |          |
|       | 102                             |              |          | _            | Щ            |          |          | _  |              |          |
|       | 103                             |              |          | <u> </u>     | _            |          | _        | _  |              | 4        |
|       | 104<br>105                      | Н            |          |              | -            | -        |          |  |              | $\dashv$ |
|       | 106                             |              |          | ├            | -            | -        |          |  |              | $\dashv$ |
|       | 107                             |              | -        | -            |              | -        | -        |  |              | Н        |
|       | 108                             |              |          | $\vdash$     | П            | Н        |          |  |              | _        |
|       | 109<br>110                      |              |          |              |              |          |          |  |              |          |
|       | 110                             |              |          |              |              |          |          |  |              |          |
|       | 111                             | _            |          | ļ            | ļ            | <u> </u> | <u> </u> |  |              |          |
|       | 112<br>113                      | $\vdash$     | <u> </u> | -            |              | <u> </u> |          |  | _            | $\vdash$ |
|       | 114                             | H            | $\vdash$ | -            | -            | $\vdash$ | H        | Н  | _            | $\vdash$ |
|       | 115                             |              | $\vdash$ | -            | -            | $\vdash$ |          |  | _            | Н        |
| _     | 116                             |              | Г        |              | $\vdash$     |          |          |  |              | П        |
|       | 116<br>117                      |              |          |              |              |          |          |  |              |          |
|       | 118                             |              |          |              |              |          |          |  |              |          |
|       | 119                             |              | _        | L            |              |          |          | Ш  | _            | Щ        |
|       | 120                             | _            | _        | <u> </u>     | ┡            | <u> </u> | _        | _  |              | Н        |
|       | 121<br>122                      | <u> </u>     | <u> </u> | <del> </del> | -            |          | _        | H  | H            | Н        |
|       | 122                             | -            |          | ├            | ┢            | -        | -        |  | -            | ┝╾┥      |
|       | 123<br>124<br>125<br>126<br>127 |              |          | ├            | ╁            |          |          |  |              | $\vdash$ |
|       | 125                             | -            | _        | H            | _            |          |          |  |              | Н        |
|       | 126                             | $\vdash$     | _        | T            | 1            |          |          |  |              |          |
|       | 127                             |              |          |              |              |          |          |  |              |          |
|       | 128                             | <u> </u>     | <u> </u> | <u> </u>     | _            |          |          | _  |              | Ш        |
|       | 128<br>129<br>130<br>131        | <u> </u>     | L        | <u> </u>     | ├            | <u> </u> | <u> </u> | _  | -            | Н        |
|       | 130                             | -            | ŀ        | ┢            | -            | ├        | -        | H  | -            | -        |
|       | 132                             | $\vdash$     | -        | ⊢            | ╁            |          | -        | ⊢  | ┢            | Н        |
|       | 132<br>133                      | ⊢            | $\vdash$ | H            | $\vdash$     | ╁╴       | -        | ┢  | ┢            | Н        |
|       | 134                             | _            | _        | 1            | 1            |          |          | -  |              | П        |
|       | 135<br>136                      |              |          | Г            |              |          |          |  |              |          |
|       | 136                             |              |          | L            | 匚            |          | $\Box$   | L  |              |          |
|       | 137<br>138                      | <u> </u>     | _        | L            | ↓_           | ├        | <u> </u> | ļ  | ļ            | Н        |
|       | 138                             |              | <u> </u> | ┞            | ├-           | ├        | ├-       | ⊢  | -            | Н        |
|       | 139<br>140                      | -            | $\vdash$ | ┢            | ╁╌           | ├        | ├        | ┝  | -            | Н        |
|       | 141                             | ⊢            | -        | ┼┈           | ╫            | ┢        | ├        | ┢─   | -            | Н        |
|       | 142                             | <del> </del> | -        | ┼~           | <del> </del> |          | $\vdash$ |  | -            | Н        |
|       | 143                             |              |          | Γ            |              | Γ        |          |  |              |          |
|       | 144                             |              |          |              |              |          |          |  |              |          |
|       | 145                             |              |          | Г            | L            | L        | <u> </u> | Ĺ  | Ļ            | Ш        |
|       | 146                             | L            | L        | 1            | 1            | <u> </u> | <u> </u> | <u> </u>                                     | -            | ⊢        |
|       | 147                             | -            | 1        | ╁-           | ┼            | ┼-       | $\vdash$ | $\vdash$                                     | <del> </del> | $\vdash$ |
|       | 148                             | ⊢            | $\vdash$ | ╁            | ╀            | $\vdash$ | ╁        | -  | $\vdash$     | Н        |
|       | 149                             | $\vdash$     | ╁╴       | +            | +            | $\vdash$ | ╁        | -  | $\vdash$     | Н        |
| Ь     | 1 100                           | 1            | _        | _            | ٠            | 1        |          | <u>.                                    </u> | -            | ш        |